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PD 10

WTL Lab 3
PI: JS

→ **Aim:** Write a program to design student interaction/ registration form by using HTML form

→ **Objectives:** i> To understand form validation

ii> Apply various techniques to implement it.

→ **Theory:**

1. Different types of form validations.

i> Server side validation:

- All form validation info entered by user is sent to server to be validated upon submission.
- Original page is loaded again in case of validation error.

ii> Client side validation:

- It is considered as validation on top of server-side validation

iii> Real time validation:

- It offers great speed.
- User gets response (instant) to a user action even before pressing submit

2. Different client side validations

- Matching email
- Pattern attribute
- Alpha-numeric, telephone number validation

FAQ

1. What is JavaScript?

A1a. JavaScript is a dynamic computer language used as a part of web pages.

b. It allows client side script to interact with user and make dynamic pages.

c. It is an interpreted programming language with object oriented capabilities.

2. Enumerate differences between Java & JavaScript?

A2a. Java is an object oriented programming language

b. ~~and have vir~~ JS is a light weight programming language and used to make web pages interactive.

c. Java applications can run in any JVM or browser.

d. JS runs on browser & on server via Node·js·

e. Java program uses more memory.

f. JavaScript requires less memory

g. Java supports multithreading

h. JS does not support multi-threading.

3. What are JavaScript data types

A3a. Number

b. BigInt

c. String

d. Boolean

e. null

f. undefined

g. object

4. Write 3 reasons why Form validation are important

A4 a. We want to get the right data, in right format

b. We want to protect our users' accounts.

c. We want to protect ourselves

5. Explain required attribute in HTML5

A5 a. Required attribute is a boolean attribute.

b. It it specifies that an input field must be filled out before submitting the form.

c. It works with folt input types: text, search, url, email, password, date, pickers, number, checkbox and file.